

His Majesty's high Commissioner, and the Right Honourable the Estates of Parliament.

Mr. James Gregory, Professor of Mathematicks in the Colledge of
EDINBURGH.

Humbly Sheweth,

THAT the Petitioner having in the Desire of some Gentlemen of this Kingdom
Coal-Masters, whose Works are Overcharged with Water, applyed himself
to the Consideration of the Machines formerly invented, and in present
Use for Raising of Water, and particularly of that Machine used in *England*, which
first by Sucking, and next by Forcing raiseth Water to a considerable height in
greater Quantity, than any other Machin formerly found out, which he pretumes
he has fully considered as to all the Advantages arising by it, and Defects it lyes
under; And the Petitioner finding from good Grounds, that the foresaid Machin
cannot without a vast Expence, if at all, be made to raise Water to the
height which a great many of our Coal-works require: And having by his Ap-
plication found out a Way for raising Water in as great quantity as the English
Forcer does, without either Sucking or Forcing, but meerly by Lifting, and that
in a continued Pipe, and not confined to any determined height; In Re-
spect that by this way Water may be raised to some hundred Fathoms, as well as
to fourteen or twenty Fathoms: So that by a modest Computation, the Petition-
er reckons thirty Tunns of water may be raised thirty Fathoms in the space of an
hour, by the Wind, allowing the Sails to be no bigger than are presently used in
our Common Wind-mills; or by any other Force, as by that of Water, Horses, &c.
And seeing that your Petitioners Machin raiseth a greater quantity of Water to
a greater height in the same space of time, by an equal force, than any other yet
found out, and can be made and used with much less Charge, than any pre-
tending to the like Effect, and that in Order to the Making thereof, and Setting it
to Work, he must necessarily be at considerable Charges and pains in Directing
and Overseeing the Work and Workmen, at first Setting up, which your Peti-
tioner cannot undergo without the prospect of a reasonable Encouragement.

Therefore, and according to the constant practice observed of giving due En-
couragement to useful Inventions.

*May it please Your Grace, and Right Honourable Estates of
Parliament, for the benefite of the Country, and Your Petitioners
Encouragement in the prosecution of so good a work, to pass an Act in
Favours of him, and his Assignies. Prohibiting, and Discharging any
Person whatsoever to set up, and use the foresaid Machin, for raising
of Water invented by him for the space of Thirty One Years, next af-
ter the date of the Act, without Express Licence for that effect, to be
Obtained from your Petitioner or his Assignies; And that without
prejudice to all persons of using any other Machin formerly in practice,
or which shall be hereafter invented, being distinct from that invented,
and now proposed by your Petitioner.*

And your Petitioner shall ever Pray, &c.

END

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